


```

1  APPLICATION NUMBER: US/07/955,905A
2  FILING DATE: 21-JAN-1993
3  CLASSIFICATION: 435
4  INFORMATION FOR SEQ ID NO: 22:
5  SEQUENCE CHARACTERISTICS:
6  LENGTH: 566 amino acids
7  TYPE: amino acid
8  TOPOLOGY: linear
9  MOLECULE TYPE: protein
10 ORIGINAL SOURCE:
11 ORGANISM: Theobroma cacao
12 FEATURE:
13 NAME/KEY: Protein
14 LOCATION: 1..566
15 OTHER INFORMATION: /note= "67 kD Precursor Protein"
16
17 US-07-955-905A-22
18
19 Query Match
20 Best Local Similarity 44.8%; Score 112; DB 1; Length 566;
21 Matches 19; Conservative 10; Mismatches 11; Indels 0; Gaps 0
22
23 Oy 2 ODDPQTDCCQCCORRCQDESGPRQOQYCCORCKEICEEEE 41
24 ::::| | | | | | | | | | | | | | | | | | | | | |
25 Db 78 EEELQROYQCCGRCQDEYQGGQREQDQCCQCKMEQYKEDE 117
26
27 RESULT 3
28 US-07-955-905A-23
29 Sequence 23, Application US/07955905A
30 Patent No. 5770433
31 GENERAL INFORMATION:
32 APPLICANT:
33 TITLE OF INVENTION: RECOMBINANT 47 AND 31 kD COCA PROTEINS AND
34 TITLE OF INVENTION: PRECURSOR
35 NUMBER OF SEQUENCES: 28
36 COMPUTER READABLE FORM:
37 MEDIUM TYPE: Floppy disk
38 COMPUTER: IBM PC compatible
39 OPERATING SYSTEM: PC-DOS/MS-DOS
40 SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
41 CURRENT APPLICATION DATA:
42 APPLICATION NUMBER: US/07/955,905A
43 FILING DATE: 21-JAN-1993
44 CLASSIFICATION: 435
45 INFORMATION FOR SEQ ID NO: 23:
46 SEQUENCE CHARACTERISTICS:
47 LENGTH: 587 amino acids
48 TYPE: amino acid
49 TOPOLOGY: linear
50 MOLECULE TYPE: protein
51 ORIGINAL SOURCE:
52 ORGANISM: Gossypium hirsutum
53 FEATURE:
54 NAME/KEY: Protein
55 LOCATION: 1..587
56 OTHER INFORMATION: /note= "Vicillin from G. hirsutum"
57
58 US-07-955-905A-23
59
60 Query Match
61 Best Local Similarity 38.4%; Score 96; DB 1; Length 587;
62 Matches 17; Conservative 11; Mismatches 10; Indels 2; Gaps 1
63
64 Oy 3 DDPTDCCQCCORRCQDESGPRQOQYCCORCKEICEEEE 42
65 :||| :|||:| | | | | | | | | | | | | | | | | |
66 Db 80 EDPQRYECCQCECRQDE--RQRPCCQCRICKRFPQDQD 117
67
68 RESULT 4
69 US-08-822-561-1
70 Sequence 1, Application US/08822561
71 Patent No. 5905187

```

```

GENERAL INFORMATION :
APPLICANT: Duvick, John P.
APPLICANT: Rood, Tracy A.
APPLICANT: Rao, Araguila G.
TITLE OF INVENTION: ANTIMICROBIAL PEPTIDES AND PLANT DISEASE
TITLE OF INVENTION: RESISTANCE BASED THEREON
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: PIONEER HI-BRED INTERNATIONAL, INC.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: USA
ZIP: 50309

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/622,561
FILING DATE: 19-MAR-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/442,910
FILING DATE: 17-MAY-1995
APPLICATION NUMBER: US 07/536,127
FILING DATE: 05-JUN-1990
ATTORNEY/AGENT INFORMATION:
NAME: Yates, Michael J.
REGISTRATION NUMBER: 36,063
REFERENCE/DOCKET NUMBER: 0124C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 248-4800
TELEFAX: (515) 248-4844
INFORMATION FOR SEQ ID NO.: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 34 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-822-561-1

Query Match      25.4%; Score 63.5; DB 2; Length 34;
Best Local Similarity 44.0%; Pred. No. 0.55;
Matches 11; Conservative 6; Mismatches 7; Indels 1; Gaps 1;

QY      11 OCQRRC-RQESGPRQOYCQRCK 34
       :|:| | | | | | | | | | |
Db      6 ECRQCRLRRHGGQPWETQECMRCK 30

RESULT          5
US-08-656-906-25
Sequence 25, Application US/08656906
Patent No. 5972901
GENERAL INFORMATION:
APPLICANT: Feikol Jr., Thomas W.
APPLICANT: Davis, Pamela B.
APPLICANT: Zlady, Assem-Galal
TITLE OF INVENTION: Serpin Enzyme Complex Receptor -
TITLE OF INVENTION: Mediated Gene Transfer
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medlen & Carroll
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104
COMPUTER READABLE FORM:

```

```

1      MEDIM TYPE: Floppy disk
2      COMPUTER: IBM PC compatible
3      OPERATING SYSTEM: PC-DOS/MS-DOS
4      SOFTWARE: Patientin Release #1.0, Ver
5      CURRENT APPLICATION DATA:
6      APPLICATION NUMBER: US/08/656,906
7      FILING DATE: 03-JUN-1996
8      CLASSIFICATION: 514
9      PRIOR APPLICATION DATA:
10     APPLICATION NUMBER: US 08/
11     FILING DATE: 03-JUN-1996
12     PRIOR APPLICATION DATA:
13     APPLICATION NUMBER: WO WO 95/25809
14     FILING DATE: 23-MAR-1995
15     PRIOR APPLICATION DATA:
16     APPLICATION NUMBER: US 08/216,534
17     FILING DATE: 23-MAR-1994
18     ATTORNEY/AGENT INFORMATION:
19     NAME: Ingolla, Diane E.
20     REGISTRATION NUMBER: 40,027
21     REFERENCE/DOCKET NUMBER: CASE-02280
22     TELECOMMUNICATION INFORMATION:
23     TELEPHONE: (415) 705-8410
24     TELEX: (415) 397-8338
25     INFORMATION FOR SEQ ID NO: 25:
26     SEQUENCE CHARACTERISTICS:
27     LENGTH: 301 amino acids
28     TYPE: amino acid
29     TOPOLOGY: linear
30     MOLECULE TYPE: protein
31     US-08-656-906-25

```

Query Match	24.6%	Score	61.5	DB	2	Length	301
Best Local Similarity	31.4%	Pred	No	6.8			
Matches	11	Conservative	9	Mismatches	10	Indels	5
						Gaps	1

```

QY      9 CQCCRRRCQGESGPRQQQYCRCKEICEEEEFY 43
          |:::|:::|:::|:::|
Db      265 CRRRRRCRR-----RRRCRRRRRRRCRRRSY 294

```

RESULT 6
PCT-US93-05000-33
Sequence 33. Application PC/TUS9305000
GENERAL INFORMATION:
APPLICANT: MITOIX
TITLE OF INVENTION: D-Type Cyclin and Uses Related Thereto
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P. C.
STREET: Two Millia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/05000
FILING DATE: 19930525
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/888,178
FILING DATE: 26-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,127
REFERENCE/DOCKET NUMBER: CSHL91-02A
TELECOMMUNICATION INFORMATION:

```

? TELEPHONE: 617-861-6240
?
? TELEFAX: 616-861-9540
?
? INFORMATION FOR SEQ ID NO:
?
? SEQUENCE CHARACTERISTICS:
?
? LENGTH: 215 amino acids
?
? TYPE: AMINO ACID
?
? TOPOLOGY: unknown
?
? MOLECULE TYPE: protein
?
PCT-US93-05000-33

```

Query Match	23.8%	Score	59.5	DB	4	Length	215
Best Local Similarity	27.0%	Pred. No.	8	2			
Matches	17	Conservative	8	Mismatches	15	Indels	23
						Gaps	3

```

oy 4 DPQTD-----CQCCRC-RCRQESGPRQ-----QYQCRCKETCEE 40
    |||||      | :| :| :| :| :| :| :| :| :| :| :| :| :|
Db 26 DPQTPGDQRLVQLSLPLRCVHCAYFCQCYRESKPHNRKMLVYWMLEVCCECECKE 85

```

QY	41	EEX	43
		:	
Db	86	FVF	88

RESULT 7
US-08-465-380-43
; Sequence 43, Application US/08465380
; Patent No. 5863894

```

: GENERAL INFORMATION:
: APPLICANT:  George P. Vlasuk, Patric H. Stanssens,
: APPLICANT:  Yves H. L. Mensens, Marc J. Lauwereys,
: APPLICANT:  Yves R. Laroche, Laurent S. Jespers,
: APPLICANT:  Yvanick G. J. Ganssmans, Matthew Moyle,
: APPLICANT:  Peter W. Bergum
: TITLE OF INVENTION:  NEMATODE-EXTRACTED ANTICOAGULANT
: TITLE OF INVENTION:  PROTEIN
: NUMBER OF SEQUENCES:  356
: CORRESPONDENCE ADDRESS:

```

ADDRESS: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
;

```

```

:
: COMPUTER: IBM Compatible
:
: OPERATING SYSTEM: IBM P.C. DOS 5.0
:
: SOFTWARE: Word Perfect 5.1
:
: CURRENT ADDITION DATA:

```

```

CORRENT AFFILIATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530

```

PRIORITY APPLICATION: 050
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158

```

; REFERENCE/DOCKET NUMBER: 21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
;

```

TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:

SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
TOPOLOGY: linear

```

; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:

```

```

: ORGANISM: Ancylostoma caninum
US-08-465-380-43

Query Match      23.4%; Score 58.5; DB 2; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;

Oy 18 OQSSGPRQ-----OQYCORCK-ETCEEEY 43
   ::|||:::|::|::|::|::|::|::|::|
Db 4 EKECGHERLDGCKKPCERCKCIETSEEDDY 36

RESULT 8
US-08-486-397-43
: Sequence 43, Application US/08486397
: Patent No. 5866542
: GENERAL INFORMATION:
: APPLICANT: George P. Vlasuk, Patric H. Stanssens,
: APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
: APPLICANT: Yves R. Laroche, Laurent S. Jespers,
: APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
: APPLICANT: Peter W. Bergum
: TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
: TITLE OF INVENTION: PROTEIN
: NUMBER OF SEQUENCES: 357
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Lyon 6 Lyon
: STREET: 633 West Fifth Street
: STREET: Suite 4700
: CITY: Los Angeles
: STATE: California
: COUNTRY: U.S.A.
: ZIP: 90071
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5" Diskette, 1.44 MB
: MEDIUM TYPE: storage
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: IBM P.C. DOS 5.0
: SOFTWARE: Word Perfect 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/486,397
: FILING DATE: June 5, 1995
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/326,110
: FILING DATE: October 18, 1994
: ATTORNEY/AGENT INFORMATION:
: NAME: BIGGS, SUZANNE L.
: REGISTRATION NUMBER: 30,158
: REFERENCE/DOCKET NUMBER: 213/269
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (213) 489-1600
: TELEFAX: (213) 955-0440
: TELEX: 67-3510
: INFORMATION FOR SEQ ID NO: 43:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 88 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: ORIGINAL SOURCE:
: ORGANISM: Ancylostoma caninum
US-08-486-397-43

Query Match      23.4%; Score 58.5; DB 2; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;

Oy 18 OQSSGPRQ-----OQYCORCK-ETCEEEY 43
   ::|||:::|::|::|::|::|::|::|::|
Db 4 EKECGHERLDGCKKPCERCKCIETSEEDDY 36

F
```

```

RESULT 9
US-08-486-399-43
: Sequence 43, Application US/08486399
: Patent No. 5866543
: GENERAL INFORMATION:
: APPLICANT: George P. Vlasuk, Patric H. Stanssens,
: APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
: APPLICANT: Yves R. Laroche, Laurent S. Jespers,
: APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
: APPLICANT: Peter W. Bergum
: TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
: TITLE OF INVENTION: PROTEIN
: NUMBER OF SEQUENCES: 356
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Lyon 6 Lyon
: STREET: 633 West Fifth Street
: STREET: Suite 4700
: CITY: Los Angeles
: STATE: California
: COUNTRY: U.S.A.
: ZIP: 90071
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5" Diskette, 1.44 MB
: MEDIUM TYPE: storage
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: IBM P.C. DOS 5.0
: SOFTWARE: Word Perfect 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/486,399
: FILING DATE: June 5, 1995
: CLASSIFICATION: 530
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/326,110
: FILING DATE: October 18, 1994
: ATTORNEY/AGENT INFORMATION:
: NAME: BIGGS, SUZANNE L.
: REGISTRATION NUMBER: 30,158
: REFERENCE/DOCKET NUMBER: 213/270
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (213) 489-1600
: TELEFAX: (213) 955-0440
: TELEX: 67-3510
: INFORMATION FOR SEQ ID NO: 43:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 88 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: ORIGINAL SOURCE:
: ORGANISM: Ancylostoma caninum
US-08-486-399-43

Query Match      23.4%; Score 58.5; DB 2; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;

Oy 18 OQSSGPRQ-----OQYCORCK-ETCEEEY 43
   ::|||:::|::|::|::|::|::|::|::|
Db 4 EKECGHERLDGCKKPCERCKCIETSEEDDY 36

RESULT 10
US-08-461-965-43
: Sequence 43, Application US/08461965
: Patent No. 5872098
: GENERAL INFORMATION:
: APPLICANT: George P. Vlasuk, Patric H. Stanssens,
: APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
: APPLICANT: Yves R. Laroche, Laurent S. Jespers,
: APPLICANT: Yannick G.J. Ganssemans, Matthew Moyle,
```

APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-461-965-43

Query Match 23.4%; Score 58.5; DB 2; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;

OY 18 QOESGPRQ-----QOYCORCK-ETCEEEY 43
Db 4 EKECGPHERLDCGNKKPKCKCKIETSEEDY 36

RESULT 11
US-08-634-641-43
Sequence 43, Application US/08634641
Patent No. 5955294
GENERAL INFORMATION:
APPLICANT: Vlasuk, George P. Vlasuk
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Menssens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Ganssemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street

STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/634,641
FILING DATE: April 19, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 219/136
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-08-634-641-43

Query Match 23.4%; Score 58.5; DB 2; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;

OY 18 QOESGPRQ-----QOYCORCK-ETCEEEY 43
Db 4 EKECGPHERLDCGNKKPKCKCKIETSEEDY 36

RESULT 12
US-09-249-471-43
Sequence 43, Application US/09249471
Patent No. 6040441
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Menssens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Ganssemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEINASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
NUMBER OF SEQUENCES: 356

```

CORRESPONDENCE ADDRESS:
ADDRESS: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,471
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-09-249-471-43

Query Match 23.4%; Score 58.5; DB 3; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;
QY 18 QOESGPRQ-----QOYCORCK-EICEEEEX 43
Db 4 EKEGPHERLDGKRRKPCERCKKIEETSEEDDY 36

RESULT 13
US-09-249-472-43
Sequence 43, Application US/09249472
Patent No. 6046318
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Messens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Ganssemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew

```

```

APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESS: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,472
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 88 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Ancylostoma caninum
US-09-249-472-43

Query Match 23.4%; Score 58.5; DB 3; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;
QY 18 QOESGPRQ-----QOYCORCK-EICEEEEX 43
Db 4 EKEGPHERLDGKRRKPCERCKKIEETSEEDDY 36

RESULT 14
US-09-249-451-43
Sequence 43, Application US/09249451
Patent No. 6087487
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Messens, Joris Hilda Lieven

```

```

? APPLICANT: Lauwereys, Marc Josef
? APPLICANT: Laroche, Yves Rene
? APPLICANT: Jespers, Laurent Stephane
? APPLICANT: Ganssemans, Yannick Georges Jozef
? APPLICANT: Moyle, Matthew
? APPLICANT: Bergum, Peter W.
? TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEINASE
? TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
? NUMBER OF SEQUENCES: 356
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Lyon & Lyon
? STREET: 633 West Fifth Street
? STREET: Suite 4700
? CITY: Los Angeles
? STATE: California
? COUNTRY: U.S.A.
? ZIP: 90071
? COMPUTER READABLE FORM:
? MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
? MEDIUM TYPE: storage
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: IBM P.C. DOS 5.0
? SOFTWARE: Word Perfect 5.1
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/249,451
? FILING DATE:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/809,455
? FILING DATE: April 17, 1997
? APPLICATION NUMBER: PCT/US95/13231
? FILING DATE: October 17, 1995
? APPLICATION NUMBER: 08/486,399
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/486,397
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/465,380
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/461,965
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/326,110
? FILING DATE: October 18, 1994
? ATTORNEY/AGENT INFORMATION:
? NAME: BIGGS, SUZANNE L.
? REGISTRATION NUMBER: 30,158
? REFERENCE/DOCKET NUMBER: 216/270
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (213) 489-1600
? TELEFAX: (213) 955-0440
? TELEX: 67-3510
? INFORMATION FOR SEQ ID NO: 43:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 88 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: peptide
? ORIGINAL SOURCE:
? ORGANISM: Ancylostoma caninum
? US-09-249-451-43

Query Match 23.4%; Score 58.5; DB 3; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;
```

```

? RESULT 15
? US-08-809-455-43
? Sequence 43, Application US/08809455
```

```

? Patent No. 6090916
? GENERAL INFORMATION:
? APPLICANT: Vlasuk, George Phillip
? APPLICANT: Stanssens, Patrick Eric Hugo
? APPLICANT: Messens, Joris Hilda Lieven
? APPLICANT: Lauwereys, Marc Josef
? APPLICANT: Laroche, Yves Rene
? APPLICANT: Jespers, Laurent Stephane
? APPLICANT: Ganssemans, Yannick Georges Jozef
? APPLICANT: Moyle, Matthew
? TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEINASE
? TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
? NUMBER OF SEQUENCES: 356
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Lyon & Lyon
? STREET: 633 West Fifth Street
? STREET: Suite 4700
? CITY: Los Angeles
? STATE: California
? COUNTRY: U.S.A.
? ZIP: 90071
? COMPUTER READABLE FORM:
? MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
? MEDIUM TYPE: storage
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: IBM P.C. DOS 5.0
? SOFTWARE: Word Perfect 5.1
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/809,455
? FILING DATE: April 17, 1997
? APPLICATION NUMBER: PCT/US95/13231
? FILING DATE: October 17, 1995
? APPLICATION NUMBER: 08/486,399
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/486,397
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/465,380
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/461,965
? FILING DATE: June 5, 1995
? APPLICATION NUMBER: 08/326,110
? FILING DATE: October 18, 1994
? ATTORNEY/AGENT INFORMATION:
? NAME: BIGGS, SUZANNE L.
? REGISTRATION NUMBER: 30,158
? REFERENCE/DOCKET NUMBER: 216/270
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (213) 489-1600
? TELEFAX: (213) 955-0440
? TELEX: 67-3510
? INFORMATION FOR SEQ ID NO: 43:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 88 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: peptide
? ORIGINAL SOURCE:
? ORGANISM: Ancylostoma caninum
? US-08-809-455-43

Query Match 23.4%; Score 58.5; DB 3; Length 88;
Best Local Similarity 36.4%; Pred. No. 4.5;
Matches 12; Conservative 9; Mismatches 5; Indels 7; Gaps 2;
```

```

? QY 18 QOESGPRQ-----QOYCORRC-EICEEEY 43
? DB 4 EKCGPHERLDGNGKPKCRCKIETSEEDDY 36
```

Search completed: March 1, 2001, 15:49:34
Job time: 379 sec
